Work Orde Friday, May 16,					4		Page 1								
	D3499-042 Cable Guard 5/15/14 5/15/14	Start Qty: 5.00 Req'd Qty: 5.00		*5* *5*	Accept		Cust	Item lomer:)040 ID:	100) *	Setup	Start Stop	IVI	S1* S2*
Approvals:	00	n: <u>ML5</u>		1-05-22	· Tooling				ate:			Run	Start Stop	"IVI	R1* R2*
Sequence ID/ Work Center II		Operation Description			Set l Run	Up/ Hours	Too	l ID	Tool #	Plan Code	Accept Qty	t Rej Qty		Reject Number	Insp.
Draw Nbr	Revi	sion Nbr										Qty		Number	Stamp
D3499	Rev	С													
100		Pick Kit			0.00						1				
100 Packaging Packaging		Memo			0.00						J.				F 14-07-07
110					0.00						\mathcal{L}				
Small Fab Small Fab		Memo 1- assembl	le per dwg		0.00										FF 14-07-1
¹²⁰ *12∩*		QC5- Inspect part com	pleteness to step	on W/O	0.00	DAS 27 9-19	1				2				
QC Quality Control		Memo			0.00	1417	13				<u> </u>	-			

DQA:	Date:											DART	
						WORK ORDER NON-	-CC	ONFO	RMANCE / UPDATE				AEROSPACE
QA Closed:			Date:			·		=187		W	ork Order up	odate only	
Work Orde	or.					DISPOSITION			AGAIN	ST DI	PARTMENT	/PROCESS	
Work Orac	-			-		Rework	1		Skid-tube Crosstu	ne 🗀	7	Water Jet	Engineering
Part N	No.					Scrap			Machining Small F	_	- Pro	d. Eng. Coor.	Quality
	-	- · · · · · · · · · · · · · · · · · · ·			_	Use-as-is			noforming Finishi		4	re/Packaging	Other
NCR No.						Suspected Unapproved			Large Fab Composi	te]	Supplier	
									·		,		
Root	ı				Desci	ription of work order update	1	nitial	Action		Sign &		
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector
Design	Щ												
Doc/Data	Щ												
Equip/Tooling													
Handling/Pre	Щ		*										
Material	Н												
Operator													
Offset/Setup													
Process													
Supplier	Ш												
Training	Ш												
Transport	Щ												
Unapproved	Ш												
							FAI	ULT CA	TEGORY				
Landi						General	_	1		_	7		¬ _ ,_ ,
	Н	Bending				Bend	<u> </u>	1	Program	\vdash	Outside Dim	_	Pressure/Forced
	Н	Centre No	t Concer	ntric		BOM/Route	-	Grain		\vdash	Over/Under		Set-up
	$\boldsymbol{\vdash}$	Cracks				Broken/Damage/Defect	ļ	Hardwa		-	Part Incorre	<u>}-</u>	Temperature/Cure
	${f -}$	Crimp/Kink/Ripple/Wave			<u> </u>	Burrs	<u> </u>	1 '	ion Incomplete/Unqualified	\vdash	Part Lost/Mi	ssing	Weld
	Cuffs				_	Contamination		4	tions Incomplete/Unclear	-	Part Moved	L	Wrong Stock Pulled
	Crushing				<u> </u>	Countersink		1	gned/off center		Positioned V		¬
	Heat Treat				<u> </u>	Cut Too Short	<u> </u>	Mislabe			Power Loss/	Surge	Other
	Inspection Strip in Tube				<u> </u>	Drawing	\vdash	Misrea					
	Marks/Chatter				<u> </u>	Drill Holes	Off-set						
	Turning Sequence					Finish	\vdash	4	Calibration				
	Wave/Twist in Tube					Fit/Function	Out of Sequence						

119530

Page 2

Friday, May 16, 2014 1:02:43 PM

Item ID:

D3499-042

Accept

N900040100

Setup Start

Revision ID:

Cable Guard Item Name:

Required Date: 5/15/14

Start Date:

5/15/14

Start Qty: 5.00 **Req'd Qty:** 5.00 *5* *5* **Cust Item ID:**

Customer:

Tool ID

Reference:

Process Plan:

QC:____

Operation

Description

Date:

Tooling:

Date:

Tool # Plan

Code

Start

Stop

Stop

Approvals:

Date:

SPC (Y/N):

Set Up/

Run Hours

Date:

Qty

Run

Reject Reject

Insp. Number Stamp

Sequence ID/ **Work Center ID** 130

120

Packaging

Memo

0.00

0.00

Accept

Oty

Packaging

140

QC21- Final Inspection - Work Order Release

Identify as per dwg & Stock Location:

0.00

140

QC

Memo

0.00

MLJ 14-07-08 MG 14-7-7

Quality Control

DQA:			Date:			_								TQAC"
	WORK ORDER NON-CONFORMANCE / UPDATE													AEROSPACE
QA Closed:			Date:							V	/ork Order u	odate only		
						DISPOSITION				AGAINST D	EPARTMENT	/PROCESS		
Work Orde	er:					Daaut.	,		المطيية المالية	Crasstuba	7	Water Jet		Engineering
Part No.					Rework Scrap			Skid-tube Machining	Crosstube Small Fab	Pro	d. Eng. Coor.		Engineering Quality	
					Use-as-is	1	Thern	noforming	Finishing	Rec/Sto	re/Packaging		Other	
NCR No.						Suspected Unapproved	1		Large Fab	Composite		Supplier		
Root		Des			Desc	ription of work order update		nitial	Acti	on	Sign &			
Cause		Date	Step	Qty	Desc	or non-conformance	i i	ief Eng	Descri		Date	 Verificatio	n	QC Inspector
Design	\dashv		July	٦٠,		0	-			p o o o			\neg	
Doc/Data	\dashv													
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Offset/Setup														
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Supplier		•										:		
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Unapproved														
							FAI	ULT CAT	regory					
Landi	ng G	iear				General				_	_	,		
		Bending				Bend		1	Program		Outside Dim		_	Pressure/Forced
		Centre No	ot Concer	ntric		BOM/Route		Grain		<u> </u>	Over/Under			Set-up
		Cracks			_	Broken/Damage/Defect	_	Hardwa		_	Part Incorre			Temperature/Cure
		Crimp/Kir	nk/Ripple	/Wave		Burrs		1	ion Incomplete/Un	 	Part Lost/M	-		Weld
	-	Cuffs			\perp	Contamination		4	ions Incomplete/U	nclear	Part Moved			Wrong Stock Pulled
	Crushing					Countersink	<u> </u>	•	ned/off center	<u> </u>	Positioned \			
	Heat Treat				<u> </u>	Cut Too Short	<u></u>	Mislabe			Power Loss/	Surge		Other
	Inspection Strip in Tube					Drawing		Misread						
	Marks/Chatter					Drill Holes	Off-set						<u> </u>	
	Щ	Turning S			<u> </u>	Finish		4	Calibration					
	Wave/Twist in Tube					Fit/Function	Out of Sequence							

Friday, May 16, 2014 1:02:47 PM

Work Order ID: 119530

119530

Parent Item:

D3499-042

Parent Item Name: Cable Guard

D3499-042 **Start Date:** 5/15/14

Start Qty: 5.00

Required Date: 5/15/14

Required Qty: 5.00

Comments:

IPP Rev:A New Issue 06-05-05 JLM IPP Rev:B As per Rev B 06-08-31 JLM

per dwg revC DD 10.02.23 verified by:EC

IPP Rev:C as

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3C5A		Purchased	No			100	Each	1,061.000	2	10			
AN3C5A	•								**		۶	F 14	-07-0
				Location	<u>n</u>	Loc	<u>Oty</u>	Loc Code					
•				FG			5		_		_		
					122800		5		_				
				ST350			456		****		_		
					M128973		256		_		_		
ļ ;					M129198		200			+	_ /		
				ST513			600		_	3	_		
					M128911		600	1 202 000	_		_		
AN3C6A		Purchased	No			100	Each	1,293.000		15		_	
*AN3C6A ³	k								**		FF	14-	07-03
~~				Locatio	<u>n</u>	Loc	<u>Oty</u>	Loc Code					
• 1				FG			10				_		
					122416		10		_		_		
į				ST351			2				_		
,					m128224		2		_				
				ST513			1281		_		_		
; [m125709		281		_	7	_		
h					m128769		1000				_		
D3499-2		Manufactured	No			100	Each	0.0000	1	5	/	-	
*D3499-29 Mounting Plate	*			3,	14027				**	3	St	14-07	-03

DQA:	Date:												TRAC"		
			0.4			WORK ORDER NON-	-CC	ONFO	RMANCE / UF		14/-	ork Order up	ndata anly	\neg	AEROSPACE
QA Closed:			Date:						· · · · · · · · · · · · · · · · · · ·						
Work Orde	er:					DISPOSITION				AGAINST	DE	PARTMENT	/PROCESS		
	-					Rework	1		Skid-tube	Crosstube			Water Jet		Engineering
Part N	lo.					Scrap			Machining	Small Fab		Pro	d. Eng. Coor.	7	Quality
	-					Use-as-is		Thern	noforming	Finishing		Rec/Sto	7	Other	
NCR No.						Suspected Unapproved			Large Fab	Composite			Supplier		
	_			1				****				C: 0			
Root		5.4.	C		Desci	ription of work order update		Initial	Action Description			Sign &	Verification	1	QC Inspector
Cause	-	Date	Step	Qty		or non-conformance	Cn	ief Eng	Descr	ιρτιστι		Date	vernication	+	QC IIISPECTOI
Design															
Doc/Data	\dashv								·						
Equip/Tooling Handling/Pre	\vdash													ŀ	
Material	\vdash														
Operator	\dashv													.	
Offset/Setup							1						_		
Process												·	·		
Supplier															
Training															·
Transport														١	
Unapproved			-										. <u>.</u>		
							FA	ULT CA	regory						
Landi	ng G	Gear				General		,		ı	_	7	_	_	
		Bending				Bend		1	Program		_	Outside Dim	⊢		Pressure/Forced
	Ш	Centre No	ot Concer	ntric		BOM/Route	<u></u>	Grain				Over/Under	—	_	Set-up
		Cracks			<u> </u>	Broken/Damage/Defect		Hardwa			<u> </u>	Part Incorre)	\neg	Temperature/Cure
	-	Crimp/Kink/Ripple/Wave				Burrs	_	1	ion Incomplete/Un	-	_	Part Lost/Mi	ssing	-	Weld
	_	Cuffs				Contamination	_	-1	tions Incomplete/U	Inclear		Part Moved	. <i>,</i>	\ل	Wrong Stock Pulled
	Crushing					Countersink	\vdash	-1	gned/off center		_	Positioned V		- 7.	Out
	Heat Treat					Cut Too Short	\vdash	Mislabe				Power Loss/	Surge	(Other
:	Inspection Strip in Tube					Drawing	-	Misread							1,2
	Marks/Chatter					Drill Holes	\vdash	Off-set				-			
	Turning Sequence					Finish		4	Calibration			-			
	Wave/Twist in Tube					Fit/Function	L	Jout of	Sequence						

DQA:	Date:													7
						WORK ORDER NON-	-CC	ONFO	RMANCE / UPDATE			_	AEROSPACE	:
QA Closed:			Date:							W	ork Order up	odate only		_
Work Orde	er:					DISPOSITION			AGAINS	ST DE	PARTMENT	/PROCESS		
	-				_	Rework			Skid-tube Crosstub	e		Water Jet	Engineering	
Part N	lo.					Scrap			Machining Small Fa	—	Pro	d. Eng. Coor.	Quality	
	-					Use-as-is			noforming Finishir	ng		re/Packaging	Other	
NCR N	NCR No.					Suspected Unapproved			Large Fab Composi	te]	Supplier		
Root	一				Desci	ription of work order update		nitial	Action	Sign &			_	
Cause		Date	Step	Qty		or non-conformance	i	ief Eng			Date	Verification	QC Inspector	
Design			535 S54 S54					<u> </u>					コ	
Doc/Data														
Equip/Tooling														
Handling/Pre							l							
Material														
Operator							İ							
Offset/Setup														
Process		•												
Supplier	\square													
Training	Щ													ļ
Transport												:		
Unapproved											<u> </u>			
							FAI	ULT CA	TEGORY				***	
Landi	$\overline{}$				_	General		1		_	1		_	
	-	Bending			<u> </u>	Bend		•	Program	-	Outside Dim	<u> </u>	Pressure/Forced	
	-	Centre No	t Concer	ntric	<u> </u>	BOM/Route	_	Grain		. -	Over/Under		Set-up	
	$\boldsymbol{\vdash}$	Cracks			<u> </u>	Broken/Damage/Defect	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	Hardwa		-	Part Incorred	· -	Temperature/Cure	
	Crimp/Kink/Ripple/Wave			/Wave		Burrs		1 '	ion Incomplete/Unqualified	-	Part Lost/Mi	ssing	Weld	
	Cuffs				-	Contamination	<u> </u>	4	tions Incomplete/Unclear	\vdash	Part Moved	<u></u>	Wrong Stock Pulled	
	Crushing					Countersink	\vdash	4	gned/off center	-	Positioned V	· ·	Othor	
	Heat Treat Inspection Strip in Tube			T t	\vdash	Cut Too Short	\vdash	Mislabe			Power Loss/	ourge	Other	_
	\vdash	-		ıupe	\vdash	Drawing Drill Holos	-	Misrea						-
	Marks/Chatter					Drill Holes		Off-set						_
	Turning Sequence					Finish Eit/Function	<u> </u>	4	Calibration					_
	Wave/Twist in Tube					Fit/Function	L	TOUT OF:	Sequence					

H:/FORMS/Quality Assurance\approved QA/NCRWO RevH

Picklist Print										Page 3
Friday, May 16, 2014 1:02:47	PM									
Work Order ID: 119530		*1	1953	:O*						
Parent Item: D3499-042				9-042*						
Parent Item Name: Cable Guard	d	1 7	. ,—. ,.	, (,,			Star	t Date: 5/	15/14	Required Date: 5/15/14
							Sta	rt Qty: 5.	00	Required Qty: 5.00
MS21043-3	Purchased	No			100	Each	603.0000	5	25	
MS21043-3							•	k*		FF 14-07-0
Nut			Locatio	<u>n</u>	Loc	c Oty	Loc Code			
	*		FG	129472		80			15	
•				103691		80	•			_
P			ST315			39		·	-	_
				124555		27				- '
			000500	m126741		12 484				-
			ST509	m128398		484			-	-
NAS1149C0332R	Purchased	No		11120370	100	Each	6,472.000	10	50	-
*NAS1149C03							;	/ /		FF 14-07-0
WASHER	מא א מאר								ૄ	
			Locatio	_	Lo	c Oty	Loc Code			
			GA	129499		. 905			2 0	_
r F				125654		905				_
			Return2			41				_
1				122063		41				-
			ST292	m128591		2376 2376				_
:			st510	111120391		3150				_
•			31.710			2130				_

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26

2500 563

st510

m126319 m127306

m127410

m127831

DQA:		Date:											TRAGE	
QA Closed:		Date:			WORK ORDER NON	l-C(ONFO	RMANCE /	UPDATE	Wo	ork Order uj	odate only		AEROSPACE
Work Order:					DISPOSITION		a ar		AGAINST		PARTMENT	· .	4-	M (Market)
Work Order.		<u>.</u>	·		Rework	7		Skid-tube	Crosstube			Water Jet	\neg	Engineering
Part No	·				Scrap			Machining	Small Fab		4	d. Eng. Coor.		Quality
NCR No	•				Use-as-is Suspected Unapproved		Therr	noforming Large Fab	Finishing Composite	_	Rec/Sto	re/Packaging Supplier		Other
Root				Desc	ription of work order update		Initial	3.	Action		Sign &			
Cause	Date	Step	Qty		or non-conformance	Cł	nief Eng	De	escription		Date	Verification		QC Inspector
Design Doc/Data Equip/Tooling Handling/Pre														
Material	-	'			* ·	İ								
Operator Offset/Setup	-												1	
Process														
Supplier	1						•		:					
Training					•									
Transport]							-	·					
Unapproved										`.				
						FA	ULT CA	TEGORY	•					
Landing	Gear				General	_	7				1	г		
	Bending				Bend	<u></u>	-	Program			Outside Dim	ŀ		Pressure/Forced
<u> </u>	Centre N	ot Concer	ntric		BOM/Route	<u> </u>	Grain			-	Over/Under	. t	$\overline{}$	Set-up
<u> </u>	Cracks			<u> </u>	Broken/Damage/Defect	·	Hardwa			-	Part Incorre	+	-	Temperature/Cure
-	Crimp/Ki	nk/Ripple	/Wave	<u> </u>	Burrs	\perp	- 1 `	ion Incomplete		⊩	Part Lost/M	issing	_	Weld
·	Cuffs				Contamination	H	_	tions Incomplet			Part Moved	<u>[</u>		Wrong Stock Pulled
<u> </u>	Crushing			<u> </u>	Countersink			gned/off cent	er	\vdash	Positioned V Power Loss/	· · · · · · · · · · · · · · · · · · ·	\neg	Other
<u> </u>	Heat Trea			<u> </u>	Cut Too Short	\vdash	Mislabe			L	JPower Loss/	surge [Other
-	Inspectio		rupe	F	Drawing	\vdash	Misrea Off-set							
-	Marks/Chatter Drill Holes							Calibration			-			
1 -	Turning Sequence Finish Wave/Twist in Tube Fit/Function													
1	[wave/iw	vist in Tub	e Je		Fit/Function		Jout of	Sequence						